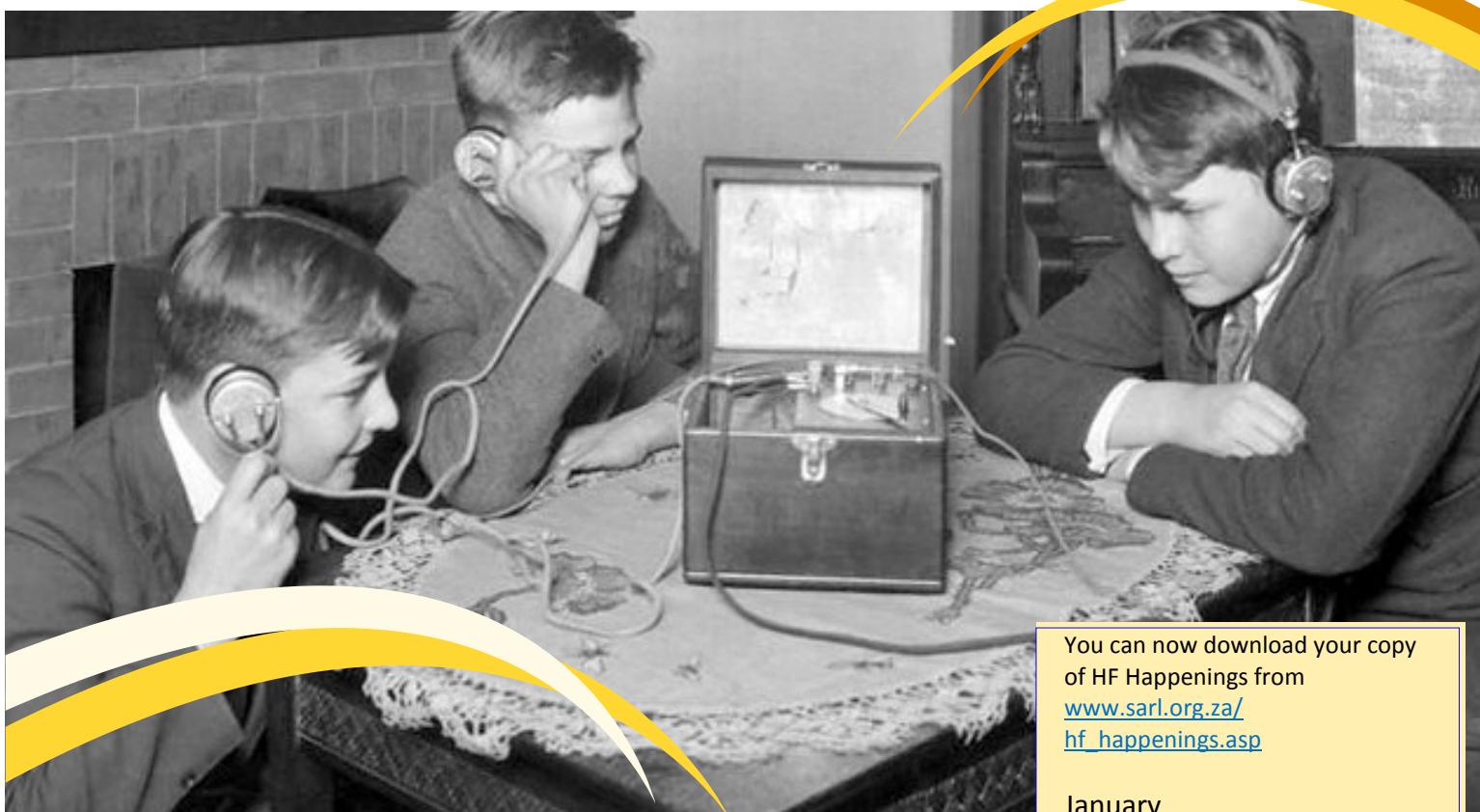


# HF Happenings 735

South African Radio League \* Suid-Afrikaanse Radioliga  
Member Society of the International Amateur Radio Union since 1925

Volume 15, Issue 06, the week of 2 January 2017



## No HF Happenings Last Week.

You noticed! Carina and I were camping with our caravan at Camelroc (in South Africa) near the Caledonpoort Border Post with Lesotho. BUT, no mobile phone reception, unless you have a Vodacom Lesotho account. The nearest Vodacom SA tower is at Fouriesburg, 9 km away. So either you drive about 4 km towards Fouriesburg or climb Camelroc to get a Vodacom signal. Carina is with cell-c - no comment!

Now what about the South African personnel working at the Borer post? If you drive between Butha-Buthe and Hlotse in Lesotho, you have a Vodacom SA signal, also on the B161 road east of Butha-Buthe. Camelroc did provide 300 MB per day for the 4 caravan sites and Stone Cottage - but it don't go far when the sites are full.

**Santa and His Elves are overjoyed with their recent 2016 Xmas undertaking**  
From the Office of Santa Claus, North Pole, Finland 3 January 2017

Despite the worst December for decades, propagation wise, Santa's team blew their horns in a big way. With 33 615 QSOs in their books they now salute their 17 062 QSO partners as 2017 kicks off. Yes, indeed USA (NW) was the most difficult path with 2 365 QSOs while Japan (NE) was much easier with 3 277. Most of the US QSOs were remoted from Radio Arcala's (OH8X) mammoth 24 elements array on 20 m atop the 350 foot (106 m) rotating tower.

Romanian Laszlo, YO6CFB, kept a low profile along the way, but took the podium as world winner with an astonishing 64 band-pointers while contacting all twelve elves. Not far behind were Ralf, DL3ZZ (61) and Wolfgang, DL4FCS (60).

North America was a real tight horse race with ARRL's Vice President (Hon) John Kanne, N4MM, leading the pack to the final corner only to see Canadian Pierre, VA2CZ, taking the honours (16) with a higher 20 m CW/SSB count along with his 160 m success.

*(Continued on page 2)*

You can now download your copy of HF Happenings from  
[www.sarl.org.za/  
hf\\_happenings.asp](http://www.sarl.org.za/hf_happenings.asp)

## January

- 1 - New Year's Day; start of 2017
- CQ Marathon
- 2 - Public Holiday
- 11 - All schools open (*thank goodness*)
- 14 and 15 - Hunting Lions in the Air
- 20 to 22 - **PEARS National VHF/UHF Contest**
- 21 - Passport to the Universe, Bloemfontein; **RAE Registration opens**
- 25 - **Closing date February Radio ZS articles**
- 26 to 29 - Up the Creek, Swellendam
- 28 - **Summer QRP Sprint**; Chinese New Year
- 28 and 29 - Delheim Harvest Festival
- 28 Jan to 12 Feb - Darling Music Experience
- 29 - Sani Pass. Wild Flower Walk
- 31 - Closing date for motions for the 2017 AGM and for nominations to serve on the League Council.

(Continued from page 1)

Joergen, VK2KJJ, Val, PY2XU, Manuel, EA8DO, and Sergei, RV9DC, were the winners of their respective continents.

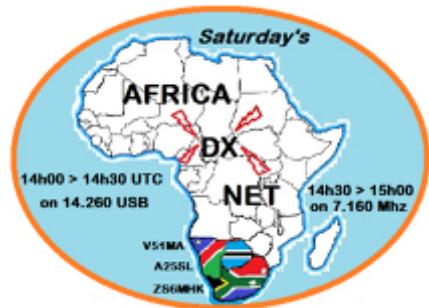
ARRL president, Tom Gallagher, NY2RF, saluted the Santa Team for making a special effort towards the youngsters of the families with their QRZ.com personalized audio and video streaming. Much appreciated Tom!

Therefore, Santa is now joining the OH-ranks for their 100<sup>th</sup> Year of Independence Centennial where it is not only Santa who would sign Old Father (OF), but the entire nation is now getting started with their OF-festivities.

Happy New Year,

Martti, OH2BH, on behalf of entire OF9X Santa Team

See the World/Continental results at <https://www.qrz.com/db/OF9X>



## CQ DX Marathon

The CQ DX Marathon is a year-long DX hunt, with participants competing to see who can work the greatest number of countries ("entities") and CQ zones during the calendar year. The 2017 edition will start at 00:00 UTC on 1 January and will end at 23:59 UTC on 31 December. The deadline for log submission for the 2016 DX Marathon is 10 January at 23:59 UTC. Complete details can be found at [www.dxmarathon.com](http://www.dxmarathon.com).

## VK IOTA

Craig, VK5CE has decided to operate from five IOTA groups in 2017. Already planned activities will include VK5CE/p from OC-228 (various short visits during the day in January and February), VK5CE/3 from OC-196 (31 January to 1 February) and VK5CE/8 from OC-198 (12 to 16 October). "That means I need your help to choose two more IOTAs in 2017," he says. So visit <http://vkiota.blogspot.com.au/> and let Craig know what VK IOTA groups you still need. The poll closes at the end of January.

## Most Wanted Updated

The ClubLog announces its last 2016 "Most Wanted List." See <http://secure.clublog.org/mostwanted.php>. The top 10 are:

1. P5 DPRK (North Korea)
2. 3Y/B Bouvet Island
3. FT5/W Crozet Island
4. KH1 Baker Howland Islands
5. BS7H Scarborough Reef
6. CEOX San Felix Islands
7. BV9P Pratas Island
8. KH3 Johnston Island
9. VK0M Macquarie Island
10. KH7K Kure Island

## African DX

Senegal, 6W. Michel, F6AFH will be active again as 6W7SS from La Somone, Senegal between early January and April.



Ghana, 9G. Bob, 5B4AGN, Steve, G3VMW, Alan, G3XAQ, Fred, G4BWP, Neil, G6MC, and Iain, M0PCB will be active as 9G5X from Ghana between 7 and 21 March. They will operate CW, SSB and RTTY on 160 to 10 metres with three stations. QSL via M0OXO's OQRS (direct or bureau) and LoTW (logs to be uploaded during the expedition on a daily basis); traditional cards should go direct only to M0OXO. Log search on Club Log (hopefully updated at least twice a day), where the Leader board function will be turned on.

## African Islands

### IOTA frequencies

CW: 28 040 24 920 21 040 18 098 14 040 10 114 7 030 3 530 kHz

SSB: 28 560 28 460 24 950 21 260 18 128 14 260 7 055 3 760 kHz

## February

### 5 - AWA CW Activity

11 and 12 - **SARL National Field Day**; Midmar Mile; Magoebaskloof Berry festival

14 - Valentine's Day

18 - **SARL Youth Sprint**

22 - **Closing date articles for March Radio ZS**

24 and 25 - Clarens Craft Beer Festival

25 - **West Rand ARC Flea Market**

26 - **SARL Digital Contest**

24 to 26 - Stellenbosch Wine Festival

27 - National Milk Tart Day

## New propagation prediction tool

A new Radio Amateur HF Propagation Prediction tool is now fully available.

The URL is <http://www.predtest.uk>

The 'Area Coverage' predictions have been available for some time, but a new Point-to-Point prediction tool is available. Clicking on the link starts the process, when the form is filled out a series of plots are available depicting propagation between the required TX and RX sites.

New features include various colour schemes for the plots allowing users with colour preferences to make the best viewing choice for themselves.

Any comments/suggestions please e-mail Gwyn Williams, G4FKH at [g4fkh@sky.com](mailto:g4fkh@sky.com).

## The hidden world of space junk

Adrift is a short documentary that explores the hidden world of space junk. The film reveals an issue that is troubling and beautiful, dangerous and fascinating.

It begins with the tale of astronaut Piers Sellers, who dropped his

(Continued on page 3)

(Continued from page 2)

Madagascar, 5R. Gaby, DF9TM, Frank, DL2SWW, and Baldur, DJ6SI are currently active from Nosy Be (AF-057) until 12 January as 5R8UJ, 8UR, and 8GC on HF (100 W, wire antennas). QSL via home calls, direct or via the bureau.

Cape Verde, D4. Per-Olof, SM5EPO is currently operating as D44TBT from Sal Island (AF-086) until 12 January. QSL via SM5EPO.

Canary Islands, EA8. AF-004; EA8,: Klaus, DK1AX will be active holiday-style from Lanzarote (EAFF-0080), Canary Islands (IOTA AF-004) between 10 and 24 January as EA8/DK1AX. He will be active on HF (CW, RTTY, digital modes, some SSB). He will also try to visit the lighthouse Arrecife de la Raya (Green) Light (ARLHS CAI-074). QSL via DK1AX, direct or via the bureau.

Canary Islands, EA8. Uli, DJ9BN, operates as EA8/DJ9BN from Gran Canaria between 8 January and 5 February on 30 to 10 m CW and some SSB. QSL via DJ9BN, direct or via the bureau.

## Beyond Wires and Pigeons - Communications in World War 1 - The Great War Special

If one thing was vital to the new kind of modern warfare in the First World War, it was communications. The Industrial Revolution had brought wireless transmission of signals with it and the huge armies of World War 1 needed to be in contact constantly to be successful in the field.

In this special episode we introduce you to the birth hour of modern military communication and signals. <https://youtu.be/aG7UzEgH4Co>

## MFJ in partnership with InnovAntennas and GOKSC

MFJ Enterprises, a manufacturer of a broad range of products for the amateur radio industry specializing in station accessories, antennas and antenna tuner units and InnovAntennas Limited, a designer and builder of modern computer optimized directional antenna systems, today announced a partnership which will increase the availability of InnovAntennas smaller antennas in addition to providing a new and up to date range of computer optimized directional antennas for Hy-Gain and Cushcraft, two of the legacy brands of MFJ Enterprises.

Justin Johnson, GOKSC, owner of InnovAntennas Limited (a member of the International Ham Store Group) who is also a contributor to the ARRL Antenna Book 2016 provided the following statement, "This is really exciting news for both companies. InnovAntennas have not been able to fully service the US market due to an inability to meet global demand.

The MFJ facility in Starkville MS will be building some of the smaller antennas we produce under the InnovAntennas label and I have already visited the factory last year to established production methods using MFJ/Hy-Gain and Cushcraft tooling."

Justin continued by saying, "most of our popular models will be covered by MFJ, including the LFA (Loop Fed Array) Yagi and OWL (Optimized Wideband Low impedance).

Additionally, new computer optimized and yet unreleased HF and VHF mono and multiband Yagis will be released through the Hy-Gain and Cushcraft brands, neither of which has released new Yagis in quite some time."

Justin Johnson, GOKSC, has become well known for his innovative variants of the common Yagi, which boast direct 50Ω feed points, low-noise patterns and feed arrangements. Dubbed the 'urban antenna,' the LFA is well suited to city lots where noise prevents the hobby being as enjoyable as it once was. More recently, GOKSC has transitioned into HF multiband and monoband designs where he has embraced the compact 'trap-less' concept with the InnovAntennas CP-6 being an excellent example, providing 6 bands with a single feed in a package just 12' by 28'.

It is expected that the first in this new line of antennas will be available by the spring of 2017 on a direct and distributor supply basis and it is advised that interest is placed with MFJ Enterprises as soon as possible.

[www.mfjenterprises.com](http://www.mfjenterprises.com), [www.innovantennas.com](http://www.innovantennas.com) and [www.ihsg.co.uk](http://www.ihsg.co.uk)

spatula in space in 2006, which became the most deadly kitchen instrument soon after, travelling at 27 000 km/h.

The film then journeys across the remote deserts of Chile with astronomers of Collowara Observatory, into the skies, where threats to the International Space Station take place, and through to Thailand, where a man watches space debris burn. The film includes a narration by Vanguard, the oldest piece of space junk, voiced by Sally Potter (Dir Orlando).

Featured on BBC Arts Online  
[bbc.co.uk/programmes/articles/3sjd1wnYD47WLzhT9dV02YH/lost-in-space-turning-cosmic-junk-into-art](http://bbc.co.uk/programmes/articles/3sjd1wnYD47WLzhT9dV02YH/lost-in-space-turning-cosmic-junk-into-art)

## Heard Island (Special Issue of DX Magazine)

Bob, KK6EK, reports: Team and Friends, If you subscribe to DX Magazine, you probably have received your Jan/Feb 2017 copy, and see that it is a special issue devoted (almost) entirely to VK0EK, the 2016 expedition to Heard Island.

We thank the Editor (for 20 years!) Carl N4AA for this honor. As you will see, the six articles cover more than the radio operation; they also describe the spectacular field observations on Heard Island and the infotech we developed and deployed (the other two major parts of the project). I also took the opportunity to opine on the past and future of DXing and DXpeditions. I think the issue will stand as an historical documentary of an historic project, and I again congratulate and thank everyone who had a hand in making it happen.

If you do not subscribe to DX Magazine, I will be happy to send you a printed copy (the publisher supplied me with 100). If you have names or radio call signs of other deserving people, let me know and I'll send them a copy as well. Just reply and provide me with mailing addresses. You can download the entire Final Report (264 pp) at [www.heardisland.org/HD\\_documents/AAD\\_Final\\_Report/CE\\_HD\\_FINAL\\_REPORT\\_5.0.9.pdf](http://www.heardisland.org/HD_documents/AAD_Final_Report/CE_HD_FINAL_REPORT_5.0.9.pdf)

## Contest Calendar

This week's contests as compiled by Bruce Horn, WA7BNM. The period covered is 2 to 9 January 2017

ARS Spartan Sprint  
02:00 - 04:00 UTC 3 January

Mode: CW  
Bands: 80, 40, 20, 15, 10 m  
Classes: Skinny; Tubby  
Max power: 5 watts  
Exchange: RST, state, province or country and power  
Work stations: Once per band  
Submit logs by: 5 January 2017  
E-mail logs to: [spartansprint@yahoo.com](mailto:spartansprint@yahoo.com)  
Mail logs to: (none)  
Find rules at: <http://arsqrp.blogspot.com/2009/02/so-whats-spartan-sprint-and-how-do-i.html>

QRP Fox Hunt  
02:00 - 03:30 UTC 4 January

Mode: CW  
Bands: 40 m Only  
Classes: Single Op - fox or hound  
Max power: 5 watts  
Exchange: RST, state, province or country, name and power output  
QSO Points: 1 point per QSO  
Multipliers: (none)  
Score Calculation: Total score = total QSO points  
Submit logs by: 03:30 UTC 5 January 2017  
E-mail logs to: (see rules)  
Mail logs to: (none)  
Find rules at: [http://www.qrpfoxyhunt.org/winter\\_rules.htm](http://www.qrpfoxyhunt.org/winter_rules.htm)

Phone Fray  
02:30 - 03:00 UTC 4 January

Mode: SSB  
Bands: 160, 80, 40, 20, 15 m  
Classes: Single Op  
Max power: 100 watts  
Exchange: NA: Name and state, province or country; non-NA: Name  
Work stations: Once per band  
QSO Points: NA station: 1 point per QSO; non-NA station: 1 point per QSO with an NA station  
Multipliers: Each US state (including KH6/KL7) once per band; Each VE province/territory once per band; Each North American country (except W/VE) once per band  
Score Calculation: Total score = total QSO points x total mults  
Submit logs by: 03:00 UTC 6 January 2017  
E-mail logs to: (none)  
Post log summary at: <http://www.3830scores.com>  
Mail logs to: (none)  
Find rules at: [http://www.perluma.com/Phone\\_Fray\\_Contest\\_Rules.pdf](http://www.perluma.com/Phone_Fray_Contest_Rules.pdf)

CWops Mini-CWT Test

13:00 - 14:00 UTC and 19:00 - 20:00 UTC 4 January and 03:00 - 04:00 UTC 5 January  
Mode: CW  
Bands: 160, 80, 40, 20, 15, 10 m  
Classes: Single Op - QRP, low or high  
Max power: HP: >100 watts; LP: 100 watts; QRP: 5 watts

Exchange: Member: Name and member no; non-Member: Name and state, province or country  
Work stations: Once per band  
QSO Points: 1 point per QSO  
Multipliers: Each call once  
Score Calculation: Total score = total QSO points x total mults  
Submit logs by: 04:00 UTC 7 January 2017  
Post log summary at: <http://www.3830scores.com>  
Mail logs to: (none)  
Find rules at: <http://www.cwops.org/cwt.html>

UKEICC 80 m Contest

20:00 - 21:00 UTC 4 January  
Mode: SSB  
Bands: 80 m Only  
Classes: Single Op Connected - QRP, low or high; Single Op Unconnected - QRP, low or high  
Max power: HP: 1 500 watts; LP: 100 watts; QRP: 5 watts  
Exchange: 4-Character grid square  
QSO Points: 1 point per 500 km; multiply QSO points by 2 if low power station; multiply QSO points by 4 if QRP station  
Multipliers: (none)  
Score Calculation: Total score = total QSO points  
Submit logs by: 22:00 UTC 4 January 2017  
E-mail logs to: (none)  
Upload log at: <http://logs.ukeicc.com/cgi-bin/hfenter.pl>  
Mail logs to: (none)  
Find rules at: [http://www.ukeicc.com/which-contest/which-contest-ukeicc-80\\_m-contests-rules](http://www.ukeicc.com/which-contest/which-contest-ukeicc-80_m-contests-rules)

NRAU 10 m Activity Contest

18:00 - 19:00 UTC (CW), 19:00 - 20:00 UTC (SSB), 20:00 - 21:00 UTC (FM) and 21:00 - 22:00 UTC (Dig) 5 January  
Mode: CW, SSB, FM, Digital  
Bands: 10 m Only  
Classes: (none)  
Exchange: RS(T) and 6-character grid square  
QSO Points: (see rules)  
Multipliers: (none)  
Score Calculation: Total score = total QSO points  
Submit logs by: 19 January 2017  
Upload log at: [http://ua9qcq.com/en/submit\\_log.php?lang=en](http://ua9qcq.com/en/submit_log.php?lang=en)  
Mail logs to: (none)  
Find rules at: <http://www.nrau.net/activity-contests/below-30mhz.html>

NCCC RTTY Sprint

01:45 - 02:15 UTC 6 January  
Mode: RTTY  
Bands: (see rules)  
Classes: (none)  
Exchange: Serial no, name and QTH  
Score Calculation: Total score = total QSO points x total mults  
Submit logs by: 8 January 2017  
E-mail logs to: (none)  
Post log summary at: <http://www.3830scores.com>  
Mail logs to: (none)  
Find rules at: <http://www.ncccsprint.com/rttyns.html>

(Continued on page 5)

(Continued from page 4)

QRP Fox Hunt  
02:00 - 03:30 UTC 6 January  
Mode: CW  
Bands: 80 m Only  
Classes: Single Op - fox or hound  
Max power: 5 watts  
Exchange: RST, state, province or country, name and power output  
QSO Points: 1 point per QSO  
Multipliers: (none)  
Score Calculation: Total score = total QSO points  
Submit logs by: 03:30 UTC 7 January 2017  
E-mail logs to: (see rules)  
Mail logs to: (none)  
Find rules at: [http://www.qrpfoxyhunt.org/winter\\_rules.htm](http://www.qrpfoxyhunt.org/winter_rules.htm)

NCCC Sprint  
02:30 - 03:00 UTC 6 January  
Mode: CW  
Bands: (see rules)  
Classes: (none)  
Exchange: Serial no, name and QTH  
Score Calculation: Total score = total QSO points x total mults  
Submit logs by: 8 January 2017  
E-mail logs to: (none)  
Post log summary at: <http://www.3830scores.com/>  
Mail logs to: (none)  
Find rules at: <http://www.ncccsprint.com/rules.html>

PODXS 070 Club PSKFest  
00:00 - 24:00 UTC 7 January  
Mode: PSK31  
Bands: 80, 40, 20, 15, 10 m  
Classes: QRP; Low Power; Medium Power  
Max operating hours: 24 hours  
Max power: Medium Power: 100 watts; Low Power: 50 watts; QRP: 5 watts  
Exchange: RST and state, province or country  
Work stations: Once per band  
QSO Points: 1 point/QSO  
Multipliers: States, provinces and countries, once  
Score Calculation: Total score = total QSO points x total mults  
Submit logs by: 14 January 2017  
E-mail logs to: (none)  
Upload log at: <http://hamclubs.info/scorer/>  
Mail logs to: (none)  
Find rules at: <http://www.podxs070.com/o7o-club-sponsored-contests/pskfest>

SKCC Weekend Sprintathon  
12:00 UTC 7 January to 24:00 UTC 8 January  
Mode: CW  
Bands: 160, 80, 40, 20, 15, 10, 6 m  
Classes: (none)  
Max operating hours: 24  
Exchange: RST, state, province or country, name and SKCC no or "NONE"  
Work stations: Once per band  
QSO Points: 1 point per QSO  
Bonus Points: (see rules)

Multipliers: Each state, province or country once  
Score Calculation: Total score = (total QSO points x total mults) and bonus points  
Submit logs by: 15 January 2017  
Post log summary at: [http://www.skccgroup.com/operating\\_activities/weekend\\_sprintathon/submit-display.php](http://www.skccgroup.com/operating_activities/weekend_sprintathon/submit-display.php)  
Mail logs to: (none)  
Find rules at: [http://www.skccgroup.com/operating\\_activities/weekend\\_sprintathon/](http://www.skccgroup.com/operating_activities/weekend_sprintathon/)

WW PMC Contest  
12:00 UTC 7 January to 12:00 UTC 8 January  
Mode: CW, SSB  
Bands: 80, 40, 20, 15, 10 m  
Classes: Single Op - CW, SSB or mixed - Peace Messenger City or World - QRP, low or high; Multi-Op - CW, SSB or mixed - Peace Messenger City or World  
Max power: HP: 1500 watts LP: 100 watts; QRP: 5 watts  
Exchange: PMC: RS(T) and PMC abbreviation; World: RS(T) and CQ Zone  
Work stations: Once per mode per band  
QSO Points: (see rules)  
Multipliers: Each PMC once per mode per band  
Score Calculation: Total score = total QSO points x total mults  
Submit logs by: 15 January 2017  
E-mail logs to: [pmc@s59dcd.si](mailto:pmc@s59dcd.si)  
Upload log at: [http://slovhf.net/vhfmanager/modules/received\\_logs.php?ContestID=167](http://slovhf.net/vhfmanager/modules/received_logs.php?ContestID=167)  
Mail logs to: (none)  
Find rules at: [http://www.s59dcd.si/en10/index.php?option=com\\_content&view=article&id=101&Itemid=124](http://www.s59dcd.si/en10/index.php?option=com_content&view=article&id=101&Itemid=124)

Original QRP Contest  
15:00 UTC 7 January to 15:00 UTC 8 January  
Mode: CW  
Bands: 80, 40, 20 m  
Classes: Single Op – VLP, QRP or MP – handmade or open  
Max operating hours: 15 hours  
Max power: VLP: 1 W; QRP: 5 W; MP: 20 W  
Exchange: RST, serial no, "/" and power category  
QSO Points: QSO with station who submits log: 4 points; QSO with station that does not submit log: 1 point; 15 % bonus for use of TR/TRX assembled from kit; 30 % bonus for use of unique handmade TR/TRX  
Multipliers: DXCC Countries: 2 mult points if station submits log, 1 mult point if no log  
Score Calculation: Total score = total QSO points x total mult points  
Submit logs by: 31 January 2017  
E-mail logs to: [qrpcc@qrpcc.de](mailto:qrpcc@qrpcc.de)  
Mail logs to: Lutz Gutheil, DL1RNN, Bergstrasse 17, D-38446 Wolfsburg, Germany  
Find rules at: <http://www.qrpcc.de/contestrules/qrpcc.html>

ARRL RTTY Roundup  
18:00 UTC 7 January to 24:00 UTC 8 January  
Mode: RTTY, Digital  
Bands: 80, 40, 20, 15, 10 m  
Classes: Single Op - low or high; Single Op Unlimited - low or high; Multi-Single - low or high

(Continued on page 6)

(Continued from page 5)

Max operating hours: 24 hours

Max power: HP: 1 500 watts; LP: 150 watts

Exchange: W/VE: RST and state or province; non-W/VE: RST and serial no

Work stations: Once per band

QSO Points: 1 point per QSO

Multipliers: Each US state (except KH6/KL7) once only; Each VE province/territory once only; Each DXCC country (including KH6/KL7) once only

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 23:59 UTC 7 February 2017

E-mail logs to: RTTYRU@arrl.org

Upload log at: <http://contest-log-submission.arrl.org/>

Mail logs to: RTTY Roundup, ARRL, 225 Main St., Newington, CT 06111, USA

Find rules at: <http://www.arrl.org/rtty-roundup>

Kid's Day Contest

18:00 – 23:59 UTC 7 January

Mode: SSB

Bands: 80, 40, 20, 17, 15, 12, 10, 2 m repeaters

Classes: (none)

Exchange: Name, age, QTH and favourite colour

Submit logs by: 6 February 2017

E-mail logs to: (none)

Mail logs to: (see rules)

Find rules at: <http://www.arrl.org/kids-day>

EUCW 160 m Contest

20:00 - 23:00 UTC 7 January and 04:00 - 07:00 UTC 8 January

Mode: CW

Bands: 160 m Only

Classes: A: 150 W or more, member of affiliated club; B: 5-150 W, member of affiliated club; C: 5 W or less, member of affiliated club; D: Other stations, no power limitations; E: SWL

Next Week's Contests

QRP Fox Hunt, 02:00 - 03:30 UTC 11 January

Phone Fray, 02:30 - 03:00 UTC 11 January

CWops Mini-CWT Test, 13:00 - 14:00 UTC, 19:00 - 20:00 UTC 11 January and 03:00 - 04:00 UTC 12 January

AWA Linc Cundall Memorial CW Contest, 23:00 UTC 11 January to 23:00 UTC 12 January and 23:00 UTC 14 January to 23:00 UTC 15 January

NCCC RTTY Sprint, 01:45 - 02:15 UTC 13 January

QRP Fox Hunt, 02:00 - 03:30 UTC 13 January

Exchange: Affiliated Club Member: RST, name, club and membership no; Other: RST, name and "NM"

Work stations: Once per day

QSO Points: QSO with station in same DXCC country: 1 point; QSO with station in different DXCC country, but same continent: 2 points; QSO with station in different continent: 5 points; QSO with official EUCW club station: 10 points

Multipliers: EUCW clubs, once per day

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 8 February 2017

E-mail logs to: [f6cel@orange.fr](mailto:f6cel@orange.fr)

Mail logs to: Ghislain Barbason, 5 rue de l'Ecluse, F-02190 Pignicourt, France

Find rules at: <http://www.eucw.org/eu160.html>

DARC 10-Meter Contest

09:00 - 10:59 UTC 8 January

Mode: CW, SSB

Bands: 10 m Only

Classes: DL Single Op - CW, SSB or mixed - low or high; non-DL Single Op - CW, SSB or mixed

Max power: HP: >100 W; LP: 100 W

Exchange: DL: RS(T), QSO no and DOK; non-DL: RS(T) and QSO no

Work stations: Once only

QSO Points: 1 point per QSO

Multipliers: Each WAE/DXCC country once; Each DOK once

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 23 January 2017

E-mail logs to:

Upload log at: [http://www.darc.de/referate/dx/contest/10\\_m/logupload/](http://www.darc.de/referate/dx/contest/10_m/logupload/)

Mail logs to: (none)

Find rules at: [http://www.darc.de/referate/dx/contest/10\\_m/en/rules/](http://www.darc.de/referate/dx/contest/10_m/en/rules/)

NCCC Sprint Ladder, 02:30 - 03:00 UTC 13 January

Old New Year Contest, 05:00 - 09:00 UTC 14 January

UBA PSK63 Prefix Contest, 12:00 UTC 14 January to 12:00 UTC 15 January

North American CW QSO Party, 18:00 UTC 14 January to 05:59 UTC 15 January

NRAU-Baltic SSB Contest, 06:30 – 08:30 UTC 15 January

NRAU-Baltic CW Contest, 09:00 - 11:00 UTC 15 January

Run for the Bacon QRP Contest, 02:00 - 04:00 UTC 16 January

## HF Happenings

Items used with acknowledgement to the ARRL Letter, the ARRL DX News, the ARRL Contest Update, OPDX Bulletin, 425 DX Bulletin, DXNL Newsletter, WIA-News, the RSGB News, DxCoffee, Southgate ARC News, DX World and the Amateur Radio Newsletter